FIG. 1

900

904

902

914

908

906

912

910

FIG. 2A

PROCESSOR(S) 922	MEMORY 924	FIXED DISK 926	REMOVABLE DISK 914

900

920

DISPLAY 904	KEYBOARD 910	MOUSE 912	SPEAKERS 930	NETWORK INTERFACE 940

FIG. 2B

Server

10

14

Clients

Command
Acknowledge

Port
Number
10001

24

Generic
Sensor
Device 1
IP Address =
10.0.10.11

Port
Number
10001

Process Module

IP Address =
10.0.10.1

20

Port
Number
10002

Command
Acknowledge

Port
Number
10002

26

Generic
Sensor
Device 2
IP Address =
10.0.10.12

Port
Number
10003

Command
Acknowledge

Port
Number
10003

28

Generic
Sensor
Device n
IP Address =
10.0.10.13

FIG. 3

Process Module   Sensor

Start up connection task   Start up and self
and self Initialization 402   Initialization
                                                           404
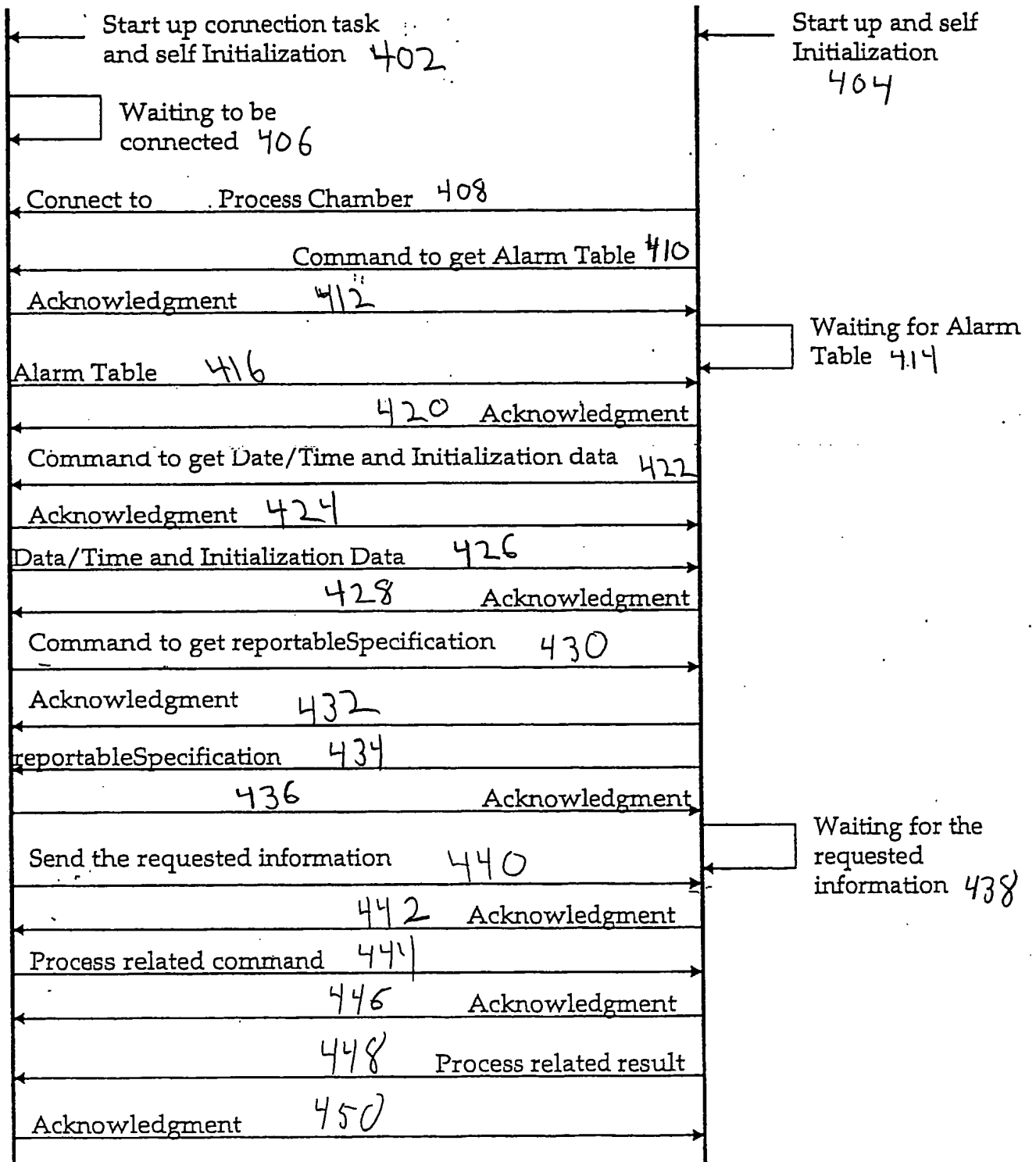
Waiting to be
connected 406

Connect to   Process Chamber 408

Command to get Alarm Table 410

Acknowledgment   412

                                                           Waiting for Alarm
Alarm Table 416   Table 414

                   420 Acknowledgment

Command to get Date/Time and Initialization data 422

Acknowledgment 424

Data/Time and Initialization Data 426

          428   Acknowledgment

Command to get reportableSpecification 430

Acknowledgment 432

reportableSpecification 434

          436   Acknowledgment

Send the requested information 440   Waiting for the
                                                           requested
          442   Acknowledgment   information 438

Process related command 444

          446   Acknowledgment

          448   Process related result

Acknowledgment 450

FIG. 4